BJ:1:1/SSD/SDR/000072/19-20 dt.25/10/19

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

No. **1nd & Final Bill** (For Other Works) Date.....

Division: **BBMP, Dasarahalli** Sub-Division: **Shettyhalli Sub Division**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional Schedule Docket No. Head of Account:
Est.Cost: 40.00 Lakhs D.R.No. :

Name of Work (as per sanctioned estimate) :	**Drilling of Borewells and Providing pump motor in Medarahalli, Shettyhalli and Chikkasandra, Abbigere village and surrounding area in ward no.12 Shettyhalli Sub Divison.**
Name of Contractor and Full Address :	**M/s Inchara Constructions No.60, 7th cross, Nandi Nagara, Chikkabanavara, Bengaluru 560090.**
Reference to Agreement No	**EE / DD / WO / 337 / 19-20 dated : 30.05.2019**

Certified that the measurements were taken by me on 28.08.19 and recorded in Pages **490344 to 490354** of measurement Book No. **4904/16-17** and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 28.8.19 and found correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

II Memorandum of Payment **Work Code: 012-19-000044 (P-code: P1802)**

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct Payment:
   a. Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted 1 and Final Bill → 3903662 = 00
   towards cash advance recovery of
   b. Payments Now made { cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

IT → 39037 = 00 (-)
Lwc → 39037 = 00
CSF → 3904 = 00
CySt → 34854 = 00
S&S → 34854 = 00
151686 = 00

adjustments items.
Net Amount → 3751976 = 00

Total amount adjusted -

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

3903662 = 00

Witness
1.
2.
Dated Signature of Contractor
Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

(For use in the Office)
Audited and admitted for Rs. 3751976 = 00
Passed by Cheque for Rs. 3751976 = 00
(Rupees Thirty Seven Lakhs Fifty one thousand Nine Hundred and Seventy Six Only)
by adjustment of Rs. 151686 = 00

Accounts Superintendent Executive Engineer
BBMP Dasarahalli Division

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Sl. No.	Description of Item	Unit	Previous		Present Measurements			Total up to date	
			Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	-	-	4.00	2016.00	8064.00	4.00	8064.00
	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMP & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.		-	-	-	-	-	-	-
2	0.00 to 50.00 Mtr.	Mtr	-	-	200.00	328.00	65600.00	200.00	65600.00
3	50.00 to 100.00 Mtr.	Mtr	-	-	200.00	429.00	85800.00	200.00	85800.00
4	100.00 to 150.00 Mtr.	Mtr	-	-	200.00	477.00	95400.00	200.00	95400.00
5	150.00 to 200.00 Mtr.	Mtr	-	-	200.00	504.00	100800.00	200.00	100800.00
6	200.00 to 250.00 Mtr.	Mtr	-	-	200.00	583.00	116600.00	200.00	116600.00
7	250.00 to 300.00 Mtr.	Mtr	-	-	200.00	625.00	125000.00	200.00	125000.00
8	300.00 to 330.00 Mtr	Mtr	-	-	120.00	666.00	79920.00	120.00	79920.00
9	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Mtr	-	-	276.00	1378.00	380328.00	276.00	380328.00
10	Providing and fixing 250mm dia PVC pipe etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	-	-	72.00	1179.00	84888.00	72.00	84888.00
11	175 mm dia M.S. Casing cap etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	-	-	4.00	104.00	416.00	4.00	416.00
12	supply of 175mm M.S collars each etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	-	-	48.00	156.00	7488.00	48.00	7488.00
13	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000. HP 25 stage etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	set	-	-	4.00	72108.00	288432.00	4.00	288432.00
14	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	-	-	1040.00	458.00	476320.00	1040.00	476320.00
15	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Mtr	-	-	2200.00	171.00	376200.00	2200.00	376200.00

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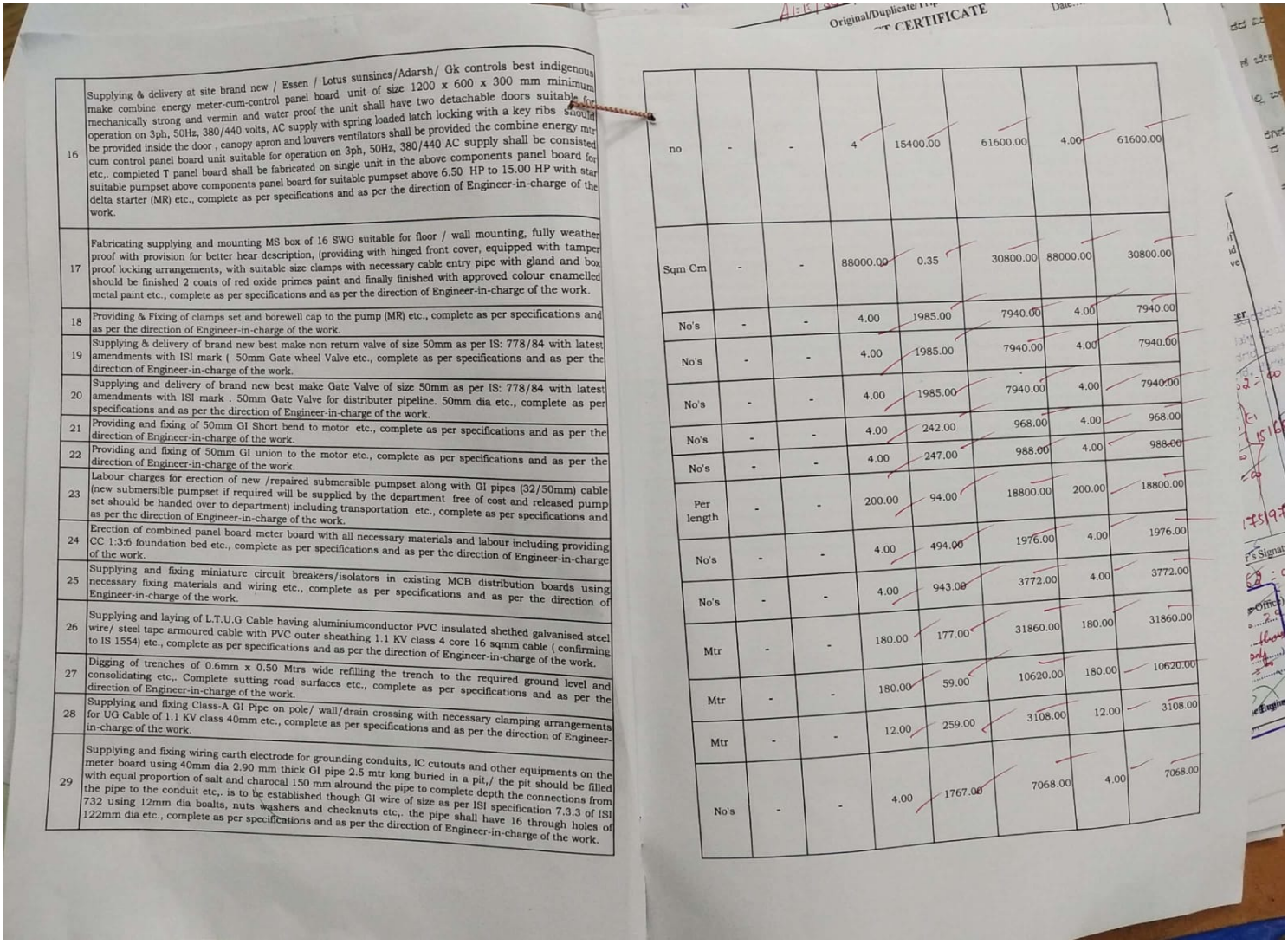

16	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum, mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR) etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	no	-	-	4	15400.00	61600.00	4.00	61600.00
17	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm Cm	-	-	88000.00	0.35	30800.00	88000.00	30800.00
18	Providing & Fixing of clamps set and borewell cap to the pump (MR) etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	1985.00	7940.00	4.00	7940.00
19	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	1985.00	7940.00	4.00	7940.00
20	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	1985.00	7940.00	4.00	7940.00
21	Providing and fixing of 50mm GI Short bend to motor etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	242.00	968.00	4.00	968.00
22	Providing and fixing of 50mm GI union to the motor etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	247.00	988.00	4.00	988.00
23	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Per length	-	-	200.00	94.00	18800.00	200.00	18800.00
24	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	494.00	1976.00	4.00	1976.00
25	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	943.00	3772.00	4.00	3772.00
26	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Mtr	-	-	180.00	177.00	31860.00	180.00	31860.00
27	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Mtr	-	-	180.00	59.00	10620.00	180.00	10620.00
28	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Mtr	-	-	12.00	259.00	3108.00	12.00	3108.00
29	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	1767.00	7068.00	4.00	7068.00

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30	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	283.00	1132.00	4.00	1132.00
31	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	1404.00	5616.00	4.00	5616.00
32	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete. 50mm dia etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	12.00	1588.00	19056.00	12.00	19056.00
33	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	324.00	1296.00	4.00	1296.00
34	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	-	-	1432.08	329.00	471154.32	1432.08	471154.32
35	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Mtr	-	-	2652.00	112.00	297024.00	2652.00	297024.00
36	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	-	-	1432.08	113.00	161825.04	1432.08	161825.04
						Total Rs	3443739.36		3443739.36
						GST 12%	413248.72		413248.72
						BESCOM charges	46674.00		46674.00
						Grand Total	3903662.08		3903662.08

Certificate

1 Certified that the contractor has work done satisfactorily.
2 The contractor has removed the debries from work site.
3 There is no any dept. materials issued to contractor

Assistant Engineer
Ward No 12, Shettyhalli

Assistant Executive Engineer
Shettyhalli Sub Division
BBMP, Bangalore

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